

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:)	Group Art Unit: 3736
)	
Kenji Kouchi et al.)	Examiner: ASTORINO, MICHAEL C
)	
Serial No.: 10/525,747)	Confirmation No.: 2069
)	
Filed: February 25, 2005)	<u>REQUEST FOR CONSIDERATION OF</u>
)	<u>REFERENCE IN INFORMATION</u>
Atty. File No.: 5553KOU2-1)	<u>DISCLOSURE STATEMENT</u>
)	<u>SUBMITTED APRIL 4, 2007</u>
For: VITAL SIGN DISPLAY AND ITS METHOD		Electronically Submitted

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

On April 4, 2007, as evidenced in the attached Image File Wrapper summary, Applicants submitted an Information Disclosure Statement, including the required fee, in the above-identified patent application. The fee was paid in order for the Examiner to consider the references disclosed in the Information Disclosure Statement. The Information Disclosure Statement, including the non-patent literature reference, the Fee Worksheet (PTO-06) and the Status Letter Mailed to Applicant, is attached hereto as Exhibit A.

On June 25, 2007, the Examiner issued a Notice of Allowance for the above-identified case. The Notice of Allowance was accompanied by a List Of References Cited By Applicant And Considered By Examiner. This list included the aforementioned Information Disclosure Statement of April 4, 2007, but only the patent reference was initial by the Examiner, with the "Examiner Initials" box next to the non-patent literature reference left blank. The Notice of Allowance, including the List Of References Cited By Applicant And Considered By Examiner, is attached hereto as Exhibit B.

Due to the fact that the Information Disclosure Statement of April 4, 2007, was correctly submitted to the USPTO, with the required fee, Applicants hereby respectfully request that the non-patent literature reference listed in Information Disclosure Statement of April 4, 2007 (i.e., Chinese Official Action (including translation), mailed December 1, 2006, for corresponding Chinese patent application), be considered by the Examiner.

Although no fees are believed due in connection with this communication, please charge any fees deemed necessary to Deposit Account No. 19-1970. If additional information is required please contact the undersigned.

Respectfully submitted,

SHERIDAN ROSS P.C.

By: _____

Jason H. Vick
Registration No. 45,285
1560 Broadway, Suite 1200
Denver, Colorado 80202-5141
(303) 863-9700

Date: 29 Jan '07

EXHIBIT A

10/525,747 VITAL SIGN DISPLAY AND ITS METHOD

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2007::12:52:45

This application is officially maintained in electronic form. To View: Click the desired Document Description. To Download and Print: Check the desired document(s) and click Start Download.

Available Documents

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06-25-2007	Notice of Allowance and Fees Due (PTOL-85)	PROSECUTION	3
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06-25-2007	Issue Information including classification, examiner, name, claim, renumbering, etc.	PROSECUTION	1
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06-25-2007	Index of Claims	PROSECUTION	2
06-25-2007	Search information including classification, databases and other search related notes	PROSECUTION	1
06-14-2007	Applicant summary of interview with examiner	PROSECUTION	2
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06-29-2006	List of references cited by examiner	PRIOR ART	1
06-29-2006	Search information including classification, databases	PROSECUTION	2

	and other search related notes		
02-27-2006	Information Disclosure Statement (IDS) Filed	PROSECUTION	2
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10525747
	Filing Date		2005-02-25
	First Named Inventor	Kouchi	
	Art Unit	3736	
	Examiner Name	ASTORINO, MICHAEL C	
	Attorney Docket Number	5553KOU2-1	

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear		
	1	5718235		1998-02-17	Golosarsky et al.			
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10525747
	Filing Date		2005-02-25
	First Named Inventor	Kouchi	
	Art Unit	3736	
	Examiner Name	ASTORINO, MICHAEL C	
	Attorney Docket Number	5553KOU2-1	

	1	Chinese Official Action (including translation), mailed December 1, 2006, for corresponding Chinese patent application	<input checked="" type="checkbox"/>
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If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	10525747
	Filing Date	2005-02-25
	First Named Inventor	Kouchi
	Art Unit	3736
	Examiner Name	ASTORINO, MICHAEL C
	Attorney Docket Number	5553KOU2-1

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☒ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Jason H. Vick/	Date (YYYY-MM-DD)	2007-04-03
Name/Print	Jason H. Vick	Registration Number	45285

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

THE FIRST OFFICE ACTION FROM THE EXAMINER

THIS APPLICATION RELATES TO A VITAL SIGN DISPLAY DEVICE AND A METHOD THEREOF.

THE FOLLOWINGS ARE REASON(S) FOR REFUSAL FOUND DURING THE EXAMINATION.

1. Independent Claim 1 claims a vital sign display device for displaying a vital sign, the cited reference 1 (see its abstract and Figs. 1-3) discloses monitoring device for abnormal condition of sphygmocardiogram. The monitoring device acquires ECG signals through sensors and then the signals are input to a computer, the computer determines whether or not abnormality exist in the signals and the monitoring device monitors the signals by sequentially displaying status of the signals on a display in a time-series manner. As apparent from the above disclosure, every technical feature of Claim 1 is disclosed by the cited reference 1, also both the cited reference 1 and Claim 1 belong to same technical field, have the same technical problem to be solved and have the same technical advantage to be predicted. As a consequence, it is understood that the invention according to Claim 1 lacks of novelty defined in Article 22, Second paragraph of the Patent Act.

3. Independent Claim 3 claims a vital sign display device for displaying a vital sign, the cited reference 1 (see its abstract and Figs. 1-3) discloses monitoring device for abnormal condition of sphygmocardiogram. The monitoring device acquires ECG signals through sensors and then the signals are input to a computer, the computer determines whether or not abnormality exist in the signals and the monitoring device monitors the signals by sequentially displaying status of the signals on a display in a time-series manner. As apparent from the above disclosure, every technical feature of Claim 3 is disclosed by the cited reference 1, also both the cited reference 1 and Claim 3 belong to same technical field, have the same technical problem to be solved and have the same technical advantage to be predicted. As a consequence, it is understood that the invention according to Claim 3 lacks of novelty defined in Article 22, Second paragraph of the Patent Act.

4. Claim 6 is a dependent claim of any one of Claim 1 through Claim 5. Its additional technical feature is that the device further comprising means for selecting display style, the display style selecting means determines entire display period corresponds to display area of the vital sign by correlating with measurement period of the vital sign. The cited reference 1 (see Fig. 10, 51 - 55) discloses that vital signs are displayed in different display styles with time. As apparent from the

above description, the cited reference 1 discloses the additional technical feature and unless basic claims have novelty, this claim lacks of novelty defined in Article 22, Second paragraph of the Patent Act.

5. Claim 7 is a dependent claim of any one of Claim 1 through Claim 6. Its additional technical feature is that the device further comprising means for displaying item name of vital sign, the vital sign item name displaying means displays the item name by relating the item name to the displayed vital sign. The cited reference 1 (see Fig. 9) discloses the additional technical feature. Unless the basic claims have novelty, this claim lacks of novelty defined in Article 22, Second paragraph of the Patent Act.

6. Claim 8 is a dependent claim of any one of Claim 1 through Claim 7. Its additional technical feature is that the display style of vital sign is changed to another style when the abnormal condition occurs. The cited reference 1 (see Figs. 12 - 14) discloses the additional technical feature. Unless the basic claims have novelty, this claim lacks of novelty defined in Article 22, Second paragraph of the Patent Act.

7. Claim 9 is a dependent claim of any one of Claim 1 through Claim 8. Its additional technical feature is practical forms of vital signs. Unless the basic claims have novelty, this claim lacks of novelty defined in Article 22, Second paragraph of the Patent Act because the additional technical feature is disclosed by the cited reference 1 (see Figs. 1- 3).

8. Independent Claim 10 claims a vital sign display device for displaying a vital sign, the cited reference 1 (see its abstract and Figs. 1-3) discloses monitoring device for abnormal condition of sphygmocardiogram. The monitoring device acquires ECG signals through sensors and then the signals are input to a computer, the computer determines whether or not abnormality exist in the signals and the monitoring device monitors the signals by sequentially displaying status of the signals on a display in a time-series manner. As apparent from the above disclosure, every technical feature of Claim 10 is disclosed by the cited reference 1, also both the cited reference 1 and Claim 10 belong to same technical field, have the same technical problem to be solved and have the same technical advantage to be predicted. As a consequence, it is understood that the invention according to Claim 10 lacks of novelty defined in Article 22, Second paragraph of the Patent Act.

9. Independent Claim 11 claims a vital sign display device for displaying a vital sign, the cited reference 1 (see its abstract and Figs. 1-3) discloses monitoring device for abnormal condition of sphygmocardiogram. The monitoring device acquires ECG signals through sensors and then the

SIGNALS ARE INPUT TO A COMPUTER, THE COMPUTER DETERMINES WHETHER OR NOT ABNORMALITY EXIST IN THE SIGNALS AND THE MONITORING DEVICE MONITORS THE SIGNALS BY SEQUENTIALLY DISPLAYING STATUS OF THE SIGNALS ON A DISPLAY IN A TIME-SERIES MANNER. AS APPARENT FROM THE ABOVE DISCLOSURE, EVERY TECHNICAL FEATURE OF CLAIM 11 IS DISCLOSED BY THE CITED REFERENCE 1, ALSO BOTH THE CITED REFERENCE 1 AND CLAIM 11 BELONG TO SAME TECHNICAL FIELD, HAVE THE SAME TECHNICAL PROBLEM TO BE SOLVED AND HAVE THE SAME TECHNICAL ADVANTAGE TO BE PREDICTED. AS A CONSEQUENCE, IT IS UNDERSTOOD THAT THE INVENTION ACCORDING TO CLAIM 11 LACKS OF NOVELTY DEFINED IN ARTICLE 22, SECOND PARAGRAPH OF THE PATENT ACT.

10. INDEPENDENT CLAIM 13 CLAIMS A VITAL SIGN DISPLAY DEVICE FOR DISPLAYING A VITAL SIGN, THE CITED REFERENCE 1 (SEE ITS ABSTRACT AND FIGS. 1-3) DISCLOSES MONITORING DEVICE FOR ABNORMAL CONDITION OF SPHYGMOCARDIOGRAM. THE MONITORING DEVICE ACQUIRES ECG SIGNALS THROUGH SENSORS AND THEN THE SIGNALS ARE INPUT TO A COMPUTER, THE COMPUTER DETERMINES WHETHER OR NOT ABNORMALITY EXIST IN THE SIGNALS AND THE MONITORING DEVICE MONITORS THE SIGNALS BY SEQUENTIALLY DISPLAYING STATUS OF THE SIGNALS ON A DISPLAY IN A TIME-SERIES MANNER. AS APPARENT FROM THE ABOVE DISCLOSURE, EVERY TECHNICAL FEATURE OF CLAIM 13 IS DISCLOSED BY THE CITED REFERENCE 1, ALSO BOTH THE CITED REFERENCE 1 AND CLAIM 13 BELONG TO SAME TECHNICAL FIELD, HAVE THE SAME TECHNICAL PROBLEM TO BE SOLVED AND HAVE THE SAME TECHNICAL ADVANTAGE TO BE PREDICTED. AS A CONSEQUENCE, IT IS UNDERSTOOD THAT THE INVENTION ACCORDING TO CLAIM 13 LACKS OF NOVELTY DEFINED IN ARTICLE 22, SECOND PARAGRAPH OF THE PATENT ACT.

FROM THE ABOVE-MENTIONED REASONS, THE CURRENT PENDING APPLICATION SHALL NOT BE GRANTED A PATENT RIGHT. THE APPLICANT SHOULD BE NOTED THAT AMENDMENT TO THE APPLICATION NEED TO BE MADE TO OVERCOME THE REASONS POINTED OUT IN THIS OFFICE ACTION IN ORDER TO COMPLY WITH THE ARTICLE 33 OF THE PATENT ACT AND SUCH AMENDMENT MUST BE MADE WITHIN THE SCOPE OF THE SPECIFICATION AND THE CLAIMS ORIGINALLY FILED.



中华人民共和国国家知识产权局

P04JP125078

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邮政编码: 100032 北京市金融街 35 号国际企业大厦 A 座 16 层 北京三友知识产权代理有限公司 权鲜枝		发文日期
申请号: 038202360		
申请人: 大日本住友制药株式会社		
发明创造名称: 生命特征显示装置及其方法		

第一次审查意见通知书

(进入国家阶段的 PCT 申请)

- ☒ 应申请人提出的实审请求, 根据专利法第 35 条第 1 款的规定, 国家知识产权局对上述发明专利申请进行实质审查。
☐ 根据专利法第 35 条第 2 款的规定, 国家知识产权局专利局决定自行对上述发明专利申请进行审查。
- ☒ 申请人要求以其在:
JP 专利局的申请日 2002 年 08 月 27 日为优先权日,
专利局的申请日 年 月 日为优先权日,
专利局的申请日 年 月 日为优先权日。
- ☐ 申请人于 年 月 日提交的修改文件, 不符合专利法实施细则第 51 条的规定。
☐ 申请人提交的下列修改文件不符合专利法第 33 条的规定。
☐ 国际初步审查报告附件的中文译文。
☐ 依据专利合作条约第 19 条规定所提交的修改文件的中文译文。
☐ 依据专利合作条约第 28 条或 41 条规定所提交的修改文件。
☐
- ☒ 审查是针对原始提交的国际申请的中文译文进行的。
☐ 审查是针对下述申请文件进行的:
☐ 说明书 第 页, 按照原始提交的国际申请文件的中文译文;
第 页, 按照国际初步审查报告附件的中文译文;
第 页, 按照依据专利合作条约第 28 条或 41 条规定所提交的修改文件;
第 页, 按照依据专利法实施细则第 51 条规定所提交的修改文件。
☐
☐ 权利要求 第 项, 按照原始提交的国际申请文件的中文译文;
第 项, 按照依据专利合作条约第 19 条规定所提交的修改文件的中文译文。
第 项, 按照国际初步审查报告附件的中文译文;
第 项, 按照依据专利合作条约第 28 条或 41 条规定所提交的修改文件;
第 项, 按照依据专利法实施细则第 51 条规定所提交的修改文件。
☐
☐ 附图 第 页, 按照原始提交的国际申请文件的中文译文;
第 页, 按照国际初步审查报告附件的中文译文;
第 页, 按照依据专利合作条约第 28 条或 41 条规定所提交的修改文件;
第 页, 按照依据专利法实施细则第 51 条规定所提交的修改文件。



申请号 038202360

☐

☒本通知书引用下述对比文献(其编号在今后的审查过程中继续沿用):

编号	文件号或名称	公开日期(或抵触申请的申请日)
1	US5718235A	1998 02-17

5. 审查的结论性意见:

☐关于说明书:

- ☐申请的内容属于专利法第 5 条规定的不予授予专利权的范围。
- ☐说明书不符合专利法第 26 条第 3 款的规定。
- ☐说明书不符合专利法第 33 条的规定。
- ☐说明书的撰写不符合专利法实施细则第 18 条的规定。

☒关于权利要求书:

- ☒权利要求 1, 3, 6-11, 13 不具备专利法第 22 条第 2 款规定的新颖性。
- ☐权利要求 不具备专利法第 22 条第 3 款规定的创造性。
- ☐权利要求 不具备专利法第 22 条第 4 款规定的实用性。
- ☒权利要求 2, 4-9, 14-15 属于专利法第 25 条规定的不予授予专利权的范围。
- ☐权利要求 不符合专利法第 26 条第 4 款的规定。
- ☐权利要求 不符合专利法第 31 条第 1 款的规定。
- ☐权利要求 不符合专利法第 33 条的规定。
- ☐权利要求 不符合专利法实施细则第 13 条第 1 款的规定。
- ☐权利要求 不符合专利法实施细则第 2 条第 1 款关于发明的定义。
- ☐权利要求 不符合专利法实施细则第 20 条的规定。
- ☐权利要求 不符合专利法实施细则第 21 条的规定。
- ☐权利要求 不符合专利法实施细则第 22 条的规定。
- ☐权利要求 不符合专利法实施细则第 23 条的规定。

上述结论性意见的具体分析见本通知书的正文部分。

6. 基于上述结论性意见, 审查员认为:

- ☐申请人应按照通知书正文部分提出的要求, 对申请文件进行修改。
- ☒申请人应在意见陈述书中论述其专利申请可以被授予专利权的理由, 并对通知书正文部分中指出的不符合规定之处进行修改, 否则将不能授予专利权。
- ☐专利申请中没有可以被授予专利权的实质性内容, 如果申请人没有陈述理由或者陈述理由不充分, 其申请将被驳回。

7. 申请人应注意下述事项:

- (1) 根据专利法第 37 条的规定, 申请人应在收到本通知书之日起的肆个月内陈述意见, 如果申请人无正当理由逾期不答复, 其申请将被视为撤回。
- (2) 申请人对其申请的修改应符合专利法第 33 条的规定, 修改文本应一式两份, 其格式应符合审查指南的有关规定。
- (3) 申请人的意见陈述书和 / 或修改文本应邮寄或递交国家知识产权局专利局受理处, 凡未邮寄或递交给受理处的文件不具备法律效力。
- (4) 未经预约, 申请人和 / 或代理人不得前来国家知识产权局专利局与审查员举行会晤。

8. 本通知书正文部分共有 3 页, 并附有下列附件:

- ☒引用的对比文件的复印件共 1 份 43 页。

审查员: 栾志超

2006 年 11 月 17 日

审查部门

审查协作中心

21302
2002. 8



回函请寄: 100088 北京市海淀区蓟门桥西土城路 6 号 国家知识产权局专利局受理处收
(注: 凡寄给审查员个人的信函不具有法律效力)

第一次审查意见通知书

申请号：03820236.0

本申请涉及一种生命特征显示装置及其方法，经过审查，意见如下：

- 1、独立权利要求 1 请求保护一种显示生命特征的生命特征显示装置，对比文件 1（参见摘要及附图 1-3）公开了一种心跳异常的监控装置，其具体公开了该装置包括通过传感器取得心电信号，然后将信号输入到计算机中，计算机对信号进行判断得出其有无异常状态，然后通过显示器将信号的状态按照时间的顺序进行连续的显示监控。由此可见对比文件 1 公开了权利要求 1 的全部技术特征组成的技术方案，其技术领域相同，解决的技术问题相同，预期的技术效果相同，因此该权利要求不具有专利法第二十二条第二款规定的新颖性。
- 2、权利要求 2 请求保护一种计算机程序或者记录介质，虽然该权利要求的主题包括存储介质，但对其进行限定的全部内容仅仅涉及程序本身。由于计算机程序本身不给予专利保护，所以该权利要求不属于给予专利保护的客体。因此权利要求 2 属于专利法第二十五条规定的不授予专利权的范围，其从属权利要求 4-9 也属于专利法第二十五条规定的不授予专利权的范围。
- 3、独立权利要求 3 请求保护一种显示生命特征的生命特征显示装置，对比文件 1（参见摘要及附图 1-3）公开了一种心跳异常的监控装置，其具体公开了该装置包括通过传感器取得心电信号，然后将信号输入到计算机中，计算机对信号进行判断得出其有无异常状态，然后通过显示器将信号的状态按照时间的顺序进行连续的显示监控。由此可见对比文件 1 公开了权利要求 3 的全部技术特征组成的技术方案，其技术领域相同，解决的技术问题相同，预期的技术效果相同，因此该权利要求不具有专利法第二十二条第二款规定的新颖性。
- 4、权利要求 6 是权利要求 1-5 之一的从属权利要求，其附加技术特征是：还具有显示形式选择单元，该显示形式选择单元将显示前述生命特征的显示区域的全部显示时间与前述生命特征的测定所需时间相关联进行选择。对比文件 1（参见附图 10，51-55）公开了可以根据时间以不同的显示形式来显示生命信号。由此可见对比文件 1 公开了该附加技术特征，在其引用的权利要求

不具有新颖性的情况下，该权利要求不具有专利法第二十二条第二款规定的新颖性。

- 5、权利要求 7 是权利要求 1-6 之一的从属权利要求，其附加技术特征是：还具有生命特征项目名显示单元，该生命特征项目名显示单元与生命特征的显示相对应，显示该生命特征的项目名。对比文件 1（参见附图 9）公开了该附加技术特征。在其引用的权利要求不具有新颖性的情况下，该权利要求不具有专利法第二十二条第二款规定的新颖性。
- 6、权利要求 8 是权利要求 1-7 之一的从属权利要求，其附加技术特征是：生命特征的显示在异常状况下显示形式发生变化。对比文件 1（参见附图 12-48）公开了该附加技术特征，在其引用的权利要求不具有新颖性的情况下，该权利要求不具有专利法第二十二条第二款规定的新颖性。
- 7、权利要求 9 是权利要求 1-8 之一的从属权利要求，其附加技术特征是：生命特征的具体形式。而该附加技术特征已经被对比文件 1（参见附图 1-3）公开，在其引用的权利要求不具有新颖性的情况下，该权利要求不具有专利法第二十二条第二款规定的新颖性。
- 8、独立权利要求 10 请求保护一种显示生命特征的生命显示装置，对比文件 1（参见摘要及附图 1-3）公开了一种心跳异常的监控装置，其具体公开了该装置包括通过传感器取得心电信号，然后将信号输入到计算机中，计算机对信号进行判断得出其有无异常状态，然后通过显示器将信号的状态按照时间的顺序进行连续的显示监控。由此可见对比文件 1 公开了权利要求 10 的全部技术特征组成的技术方案，其技术领域相同，解决的技术问题相同，预期的技术效果相同，因此该权利要求不具有专利法第二十二条第二款规定的新颖性。
- 9、独立权利要求 11 请求保护一种显示生命特征的生命特征显示装置，对比文件 1（参见摘要及附图 1-3）公开了一种心跳异常的监控装置，其具体公开了该装置包括通过传感器取得心电信号，然后将信号输入到计算机中，计算机对信号进行判断得出其有无异常状态，然后通过显示器将信号的状态按照时间的顺序进行连续的显示监控。由此可见对比文件 1 公开了权利要求 11 的全部技术特征组成的技术方案，其技术领域相同，解决的技术问题相同，预期的技术效果相同，因此该权利要求不具有专利法第二十二条第二款规定的新颖性。

颖性。

- 10、独立权利要求 13 请求保护一种生命特征显示物，对比文件 1（参见摘要及附图 1-3）公开了一种心跳异常的监控装置，其具体公开了该装置包括通过传感器取得心电信号，然后将信号输入到计算机中，计算机对信号进行判断得出其有无异常状态，然后通过显示器将信号的状态按照时间的顺序进行连续的显示监控。由此可见对比文件 1 公开了权利要求 13 的全部技术特征组成的技术方案，其技术领域相同，解决的技术问题相同，预期的技术效果相同，因此该权利要求不具有专利法第二十二条第二款规定的新颖性。
- 11、权利要求 14-15 请求保护“一种生命特征显示方法”，它是以有生命的人体/动物体为直接实施对象；以获得疾病诊断结果为直接目的（本申请是为了获得生命特征的参考指标，从而根据该参考指标获得人体的健康状况即获得疾病诊断结果，审查指南第二部分第一章第 4.3.1.1 节指出：即使直接目的不是获得诊断结果或健康状况，但是根据现有技术中的医学常识和该申请公开的内容能够直接获得疾病的诊断结果或健康状况，则也是属于以获得疾病诊断结果或健康状况为直接目的，根据申请公开的内容，根据其获得的生命特征参数，本领域技术人员能够判断被测者的身体状况）；因此本申请属于同时满足以上二个条件的与疾病诊断有关的方法，属于专利法第二十五条所述的疾病的诊断和治疗方法的范围，因此不能被授予专利权。

基于上述理由，本申请按照目前的文本还不能被授予专利权。申请人应该按照本通知书提出的审查意见对申请文件进行修改，克服所存在的缺陷。对申请文件的修改应当符合专利法第三十三条的规定，不得超出原说明书和权利要求书记载的范围。

审查员：栾志超

代码：9565

Electronic Patent Application Fee Transmittal

Application Number:	10525747			
Filing Date:	25-Feb-2005			
Title of Invention:	Vital sign display and its method			
First Named Inventor/Applicant Name:	Kenji Kouchi			
Filer:	Jason Vick/Christine Jacquet			
Attorney Docket Number:	5553KOU2-1			
Filed as Large Entity				
U.S. National Stage under 35 USC 371 Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
Total in USD (\$)				180

Electronic Acknowledgement Receipt

EFS ID:	1654481
Application Number:	10525747
International Application Number:	
Confirmation Number:	2069
Title of Invention:	Vital sign display and its method
First Named Inventor/Applicant Name:	Kenji Kouchi
Customer Number:	62574
Filer:	Jason Vick/Christine Jacquet
Filer Authorized By:	Jason Vick
Attorney Docket Number:	5553KOU2-1
Receipt Date:	04-APR-2007
Filing Date:	25-FEB-2005
Time Stamp:	17:05:23
Application Type:	U.S. National Stage under 35 USC 371

Payment information:

Submitted with Payment	yes
Payment was successfully received in RAM	\$ 180
RAM confirmation Number	701
Deposit Account	191970
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.16 and 1.17	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Filed	IDS_03.pdf	661213	no	4

Warnings:

Information:

2	NPL Documents	5553KOU2-1_Corresponding_Chinese_Office_Action_w_Trans.pdf	577257	no	8
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Warnings:

Information:

3	Fee Worksheet (PTO-06)	fee-info.pdf	8184	no	2
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Warnings:

Information:

Total Files Size (in bytes):			1246654		
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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

EXHIBIT B



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

62574 7590 06/25/2007
SHERIDAN ROSS P C
SUITE 1200
1560 BROADWAY
DENVER, CO 80202

EXAMINER	
ASTORINO, MICHAEL C	
ART UNIT	PAPER NUMBER
3736	

DATE MAILED: 06/25/2007

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/525,747	02/25/2005	Kenji Kouchi	5553KOU2-1	2069

TITLE OF INVENTION: VITAL SIGN DISPLAY AND ITS METHOD

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$0	\$1700	09/25/2007

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

62574 7590 06/25/2007

SHERIDAN ROSS P C
 SUITE 1200
 1560 BROADWAY
 DENVER, CO 80202

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/525,747	02/25/2005	Kenji Kouchi	5553KOU2-1	2069

TITLE OF INVENTION: VITAL SIGN DISPLAY AND ITS METHOD

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$0	\$1700	09/25/2007

EXAMINER	ART UNIT	CLASS-SUBCLASS
ASTORINO, MICHAEL C	3736	600-300000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list
 (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:
☐ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)
☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date _____
 Typed or printed name _____ Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/525,747	02/25/2005	Kenji Kouchi	5553KOU2-1	2069
62574	7590	06/25/2007		
SHERIDAN ROSS P C SUITE 1200 1560 BROADWAY DENVER, CO 80202				
			EXAMINER ASTORINO, MICHAEL C	
			ART UNIT 3736	PAPER NUMBER
DATE MAILED: 06/25/2007				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.

10/525,747

Applicant(s)

KOUCHI ET AL.

Examiner

Michael C. Astorino

Art Unit

3736

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to communication filed 6/8/2007.
2. ☒ The allowed claim(s) is/are 1-12, 14-16, 19-32, 35-40.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>4/4/2007</u> 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
|--|--|

Art Unit: 3736

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jason Vick on June 11, 2007.

The application has been amended as follows:

Cancel claims 13, 33, 34, 41, and 42.

In regards to claim 21, line 1, replace "Claim 1" with -- Claim 2 --.

In regards to claim 22, line 1, replace "Claim 1" with -- Claim 2 --.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael C. Astorino whose telephone number is 571-272-4723.

The examiner can normally be reached on Monday-Friday, 8:30AM to 3:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Max Hindenburg can be reached on 571-272-4726. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/525,747


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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MA

June 11, 2007


MARK H. ANDERSON
PATENT EXAMINER
ART UNIT 3736

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	10525747
	Filing Date	2005-02-25
	First Named Inventor	Kouchi
	Art Unit	3736
	Examiner Name	ASTORINO, MICHAEL C
Attorney Docket Number		5553KOU2-1

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear		
/MA/	1	5718235		1998-02-17	Golosarsky et al.			
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10525747
Filing Date	2005-02-25
First Named Inventor	Kouchi
Art Unit	3736
Examiner Name	ASTORINO, MICHAEL C
Attorney Docket Number	5553KOU2-1

1	Chinese Official Action (including translation), mailed December 1, 2006, for corresponding Chinese patent application	<input checked="" type="checkbox"/>
If you wish to add additional non-patent literature document citation information please click the Add button <input type="button" value="Add"/>		
EXAMINER SIGNATURE		
Examiner Signature	/Michael Astorino/	Date Considered 06/11/2007
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		
<small>¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 If possible. ⁵ Applicant is to place a check mark here if English language translation is attached.</small>		